

Restoration of the Mississippi Gulf Coast: Recovery from the Deepwater Horizon Spill



Presented by:

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Incident
April 20,
2010



Response In Numbers

- Currently there are 6,212 personnel deployed and responding to the spill.
- 569 personnel deployed in Mississippi
- A total of 25,803 samples have been collected by MDEQ
- More than 10,236 water and sediment samples have been taken throughout the Gulf
- More than 1,828 tons of recycled waste have been recovered
- Every seafood sample from reopened waters has passed testing for oil and dispersant contamination
- More than 16,523 tons of tarballs have been removed from the Mississippi shoreline (that's 1,650 dump truck loads)



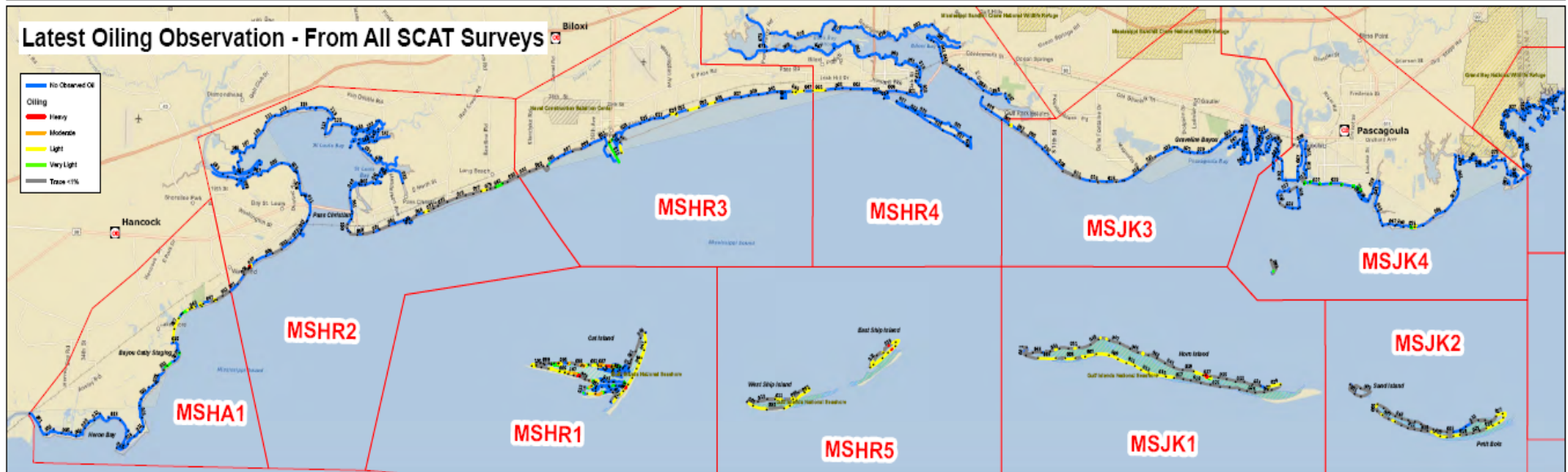
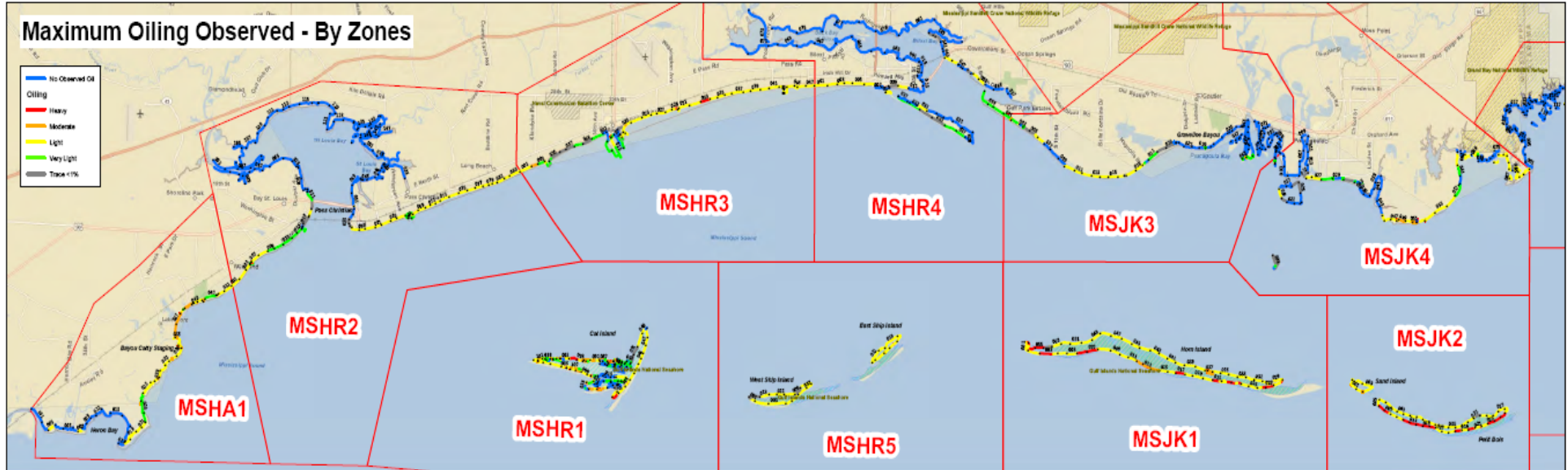
Response In Numbers

Other Accomplishments

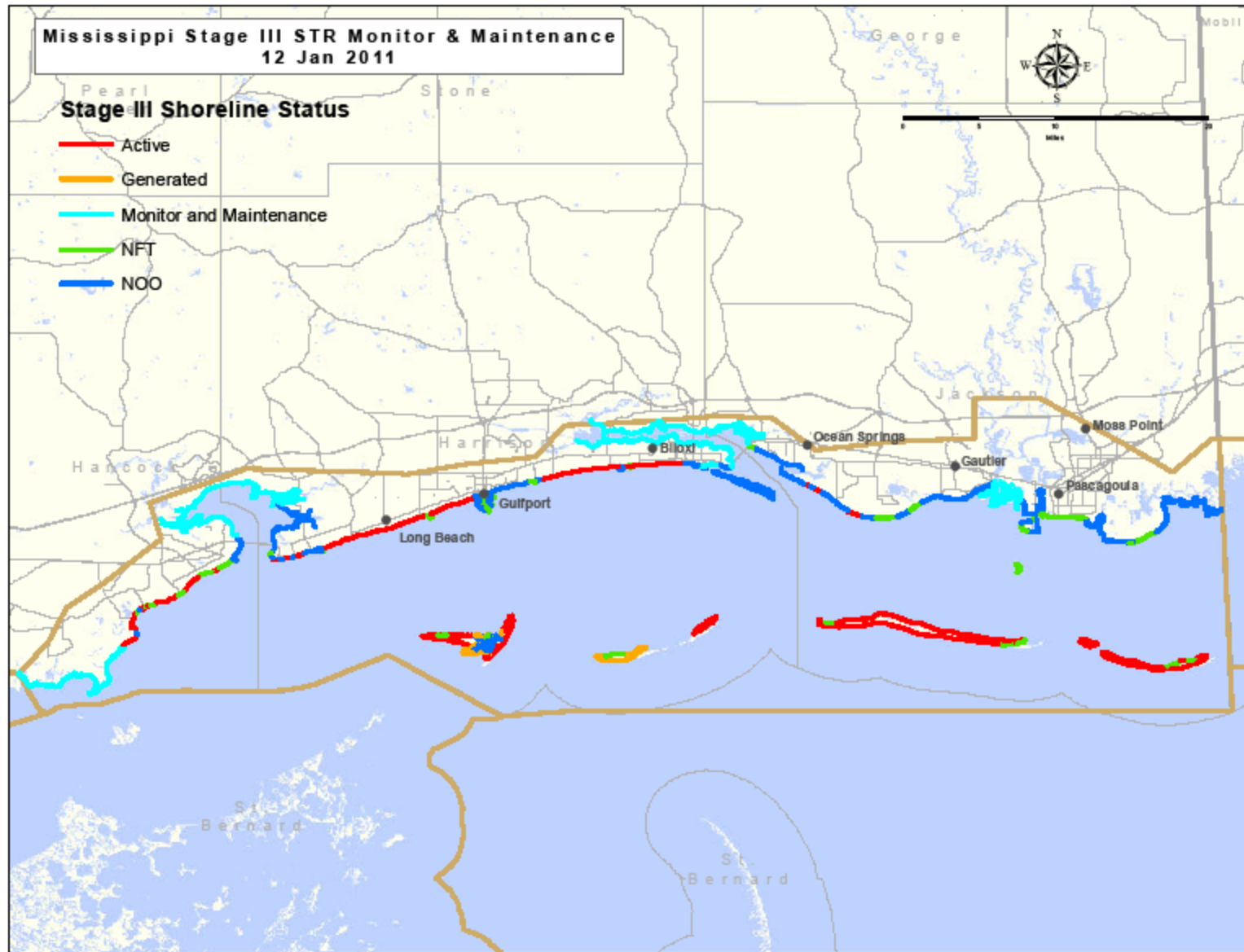
- Over 955,000 ft of boom deployed in defense of Mississippi's critical areas and then removed (180 miles)
- MDEQ staff continue to walk miles of shoreline every day to monitor BP's progress and insure protection of our state ecosystem
- Over 800 hours of flight time and over 334 sorties of flights were logged for oil response in conjunction with our MS National Guard
- MDEQ continues to staff the Gulf Coast Incident Management Team in New Orleans, LA
- MDEQ staff continues to participate in Shoreline Cleanup Assessment Teams (SCAT)



Response -Shoreline Oiling Status



Response -Shoreline Work Status

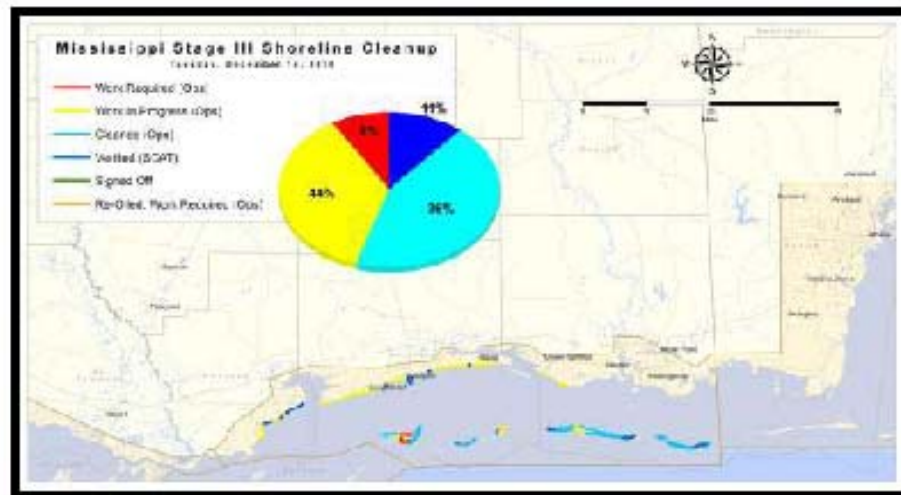


Response -Barrier Island Shoreline Level III Work Plans

MISSISSIPPI BRANCH

Highlights

- ▶ Developing Long Range Plan for combined STR on all 5 islands
 - ▶ Augering to 36"
 - ▶ Recovery of tar mats
- ▶ Working on Cat Island dredge project



Response -MS Barrier Island



MDEQ Activities



- Response
- Natural Resource Damage Assessment
- Governors Gulf of Mexico Commission
- Gulf Coast Research Initiative with Gulf of Mexico Alliance
- Gulf Ecosystems Restoration Task Force (EPA)
- Gulf Coast Long Term Recovery Report (Mabus Report)
- National Commission BP Deepwater Horizon Oil Spill and Offshore Drilling
- Negotiating Early Restoration
- Assisting with Lost Tax Revenue Estimates
- Aiding Other State Agencies On Reimbursement

Human Health

Annual Flu Shots

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Mississippi State Department of Health
TO PROMOTE AND PROTECT THE HEALTH OF ALL MISSISSIPPIANS

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Gulf Oil Spill Health Guidance and Information



MSDH is cooperating with state and federal agencies to evaluate possible health risks from the Deepwater Horizon oil spill off the Gulf Coast. We will provide updates on the public health aspects of this situation as it develops.

Information or Questions: 1-866-519-MEMA (1-866-519-6362)

[Health and Safety](#)[For Cleanup Workers](#)[For Health Professionals](#)[Maps & More](#)

Water, Food and Air Quality

Drinking Water

- At this point, the oil spill is **not** expected to affect public drinking water supplies or private well water.

Fish and Shellfish

- Any fish available for commercial sale, such as fish in grocery stores, comes from non-contaminated waters. Contaminated fish and seafood will not be allowed on the

[Download Oil Spill Q&A](#)

Text Message Updates

from the U.S. Deepwater Horizon Response site

- Mississippi alerts, text **MS@gulf** to 84469

Mental Health

DMH The Mississippi Department of Mental Health
Supporting a Better Tomorrow...Today



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DMH Disaster Information

Gulf Coast Oil Spill – Dealing with Stress

Citizens on the Mississippi Gulf Coast are use to picking up the pieces and working hard to restore their lives. This ability to bounce back, known as resilience, is usually learned through surviving hard times. Gulf coast residents and businesses have already seen their share of tragedy with Hurricane Katrina. With an ironic twist of fate, once again tragedy strikes, this time man made.

The oil drilling business is dangerous and there are explosions and fires, but the spill caught everyone off guard from the initial event to daily increasing magnitude of its long term effects. Residents, business owners, wildlife and sports enthusiasts and other patrons of the area must draw on the same emotional strength to adjust to the adversities this man made disaster has created as when familiar natural disasters confront us.

Most people cope better with tragedies by first being well informed on the issues and understanding the worse-case possibilities. Then, develop personal, family and/or business plans with specific steps to address the impact. Be patient with yourself, family and those who are trying to help.

"Initial reactions of shock, disbelief, anger, anxiety, frustration and helplessness are common feelings in such situations," said Mardi Allen, Mississippi Department of Mental Health Clinical Liaison. "With effort, this same emotional energy can be redirected toward productive actions which have been shown to foster a sense of hope. Stay connected with friends, relatives and volunteers who are offering to assist."

Natural Resource Damage Assessment

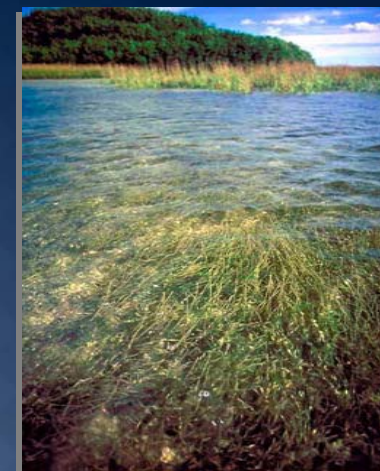
The Natural Resource Damage Assessment (NRDA) is a legal process outlined in the Oil Pollution Act of 1990. NRDA's primary goal is restoration of the loss and for the loss of the natural resource.



Injury Assessment

Assessment focuses on a wide range of natural resources. Experts from around Mississippi are focused on specific ecosystems in order to establish injury.

- Birds
- Fish and other Marine Life
- Marine Mammals and Sea Turtles
- Toxicity
- Submerged Aquatic Vegetation
- Chemistry and Sampling
- Shoreline
- Water Column
- Human Use/Lost Recreational Use
- Data Management/GIS
- Aerial Imagery
- Terrestrial and Aquatic Mammals
- Sediment
- Legal



NRDA 101

- There is a Mississippi specific NRDA website. www.deq.state.ms.us/nrda
- NRDA is not about personal claims but about injury to the natural environment.
- The amount of compensation will be a direct correlation to the injuries sustained. This will be determined through scientific application and modeling.

Restoration and Recovery

- Restoration Planning
- Identification of Projects
- Project Implementation
- Determine the lost recreational use of the natural resources due to the spill



Restoration and Recovery


Implement Restoration Plan

- Coordination of efforts with Federal, State and local agencies, other Trustees, and the responsible parties
- Keep the public informed throughout the process and obtain valuable input.
- Responsible parties pay for assessment and restoration costs



Five Keys for Successful NRDA

Moving
Ahead

- 
- Focus on Restoration
 - Follow the NRDA Legal Process
 - Apply Relevant Science and Technology
 - Develop a Common Vision and Coordinated Effort
 - Get the Public Involved Early
 - Maintain Realistic Expectations



For More Information Visit:

www.deq.state.ms.us/NRDA



What Lies Behind Us and What Lies Before Us
are small matters compared to what lies within us.
- *Ralph Waldo Emerson*